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SUMMARY

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FOR THE BENEFIT OF THE LESS DEVELOPED AREAS

SUMMARY

Agenda Item: A.4.3.2

Spain

THE DEVELOPMENT OF NUCLEAR ENERGY IN SPAIN, AS AN EXAMPLE OF A COUNTRY IN THE COURSE OF INDUSTRIALIZATION

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SUMMARY

This paper describes the development of nuclear energy in Spain in accordance with a previously outlined programme corresponding to requirements and possibilities in that country.

This programme embraces the following matters:

(a) raw materials;

(b) fuel technology;

(c) the development of projects and reactors;

(d) the manufacture of nuclear equipment;

(e) the production and use of isotopes;

(f) the training of technicians.

The programme consists of two clearly defined sections. The existence in Spain of uranium deposits gives special importance to the section starting with uranium ore and progressing to the production of fuel elements suitable for use in nuclear power stations. The second section covers developments in the field of nuclear reactors, from pilot reactors to nuclear power stations. Within this section the basic parts for an experimental reactor have been acquired. Two have been constructed for research purposes, and study and work on a power-producing prototype has commenced.

The efforts made in connection with power production in Spain are justified by the fact that the nuclear power stations which will come into operation in 1968 - 1970 will be able to compete with energy produced in conventional power stations. It is hoped that by 1975 nuclear energy will contribute 10-12,000 million kWh to Spanish electricity production.

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